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Applicants: R. Timmis et al.

Attorney Docket No.: WEYE116514

Application No.: 09/700,037

Group Art Unit: 1651

Filed: July 2, 2001

Examiner: L.B. Lankford, Jr.

Title: METHODS FOR CLASSIFICATION OF SOMATIC EMBRYOS

AMENDMENT AND RESPONSE TO RESTRICTION REQUIREMENT

Seattle, Washington 98101

November 14, 2002

TO THE COMMISSIONER FOR PATENTS:

In response to the restriction requirement mailed September 26, 2002, applicants make the election set forth below. In addition, applicants respectfully request entry of the amendments requested below.

AMENDMENTS

In the Claims:

Cancel Claims 1-26 and amend Claims 28-40 as shown in the attached markup. All pending claims as thusly amended follow:

27. A method for classifying plant embryo quality comprising:

(a) developing a classification model by

(i) acquiring absorption, transmittance or reflectance spectral raw data of reference samples of plant embryos or any portion thereof from plant embryos of known embryo quality;

(ii) performing a data analysis by applying one or more classification algorithms to the spectral raw data, the data analysis resulting in development of a classification model for classifying plant embryos by embryo quality;

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